

FIG. 1

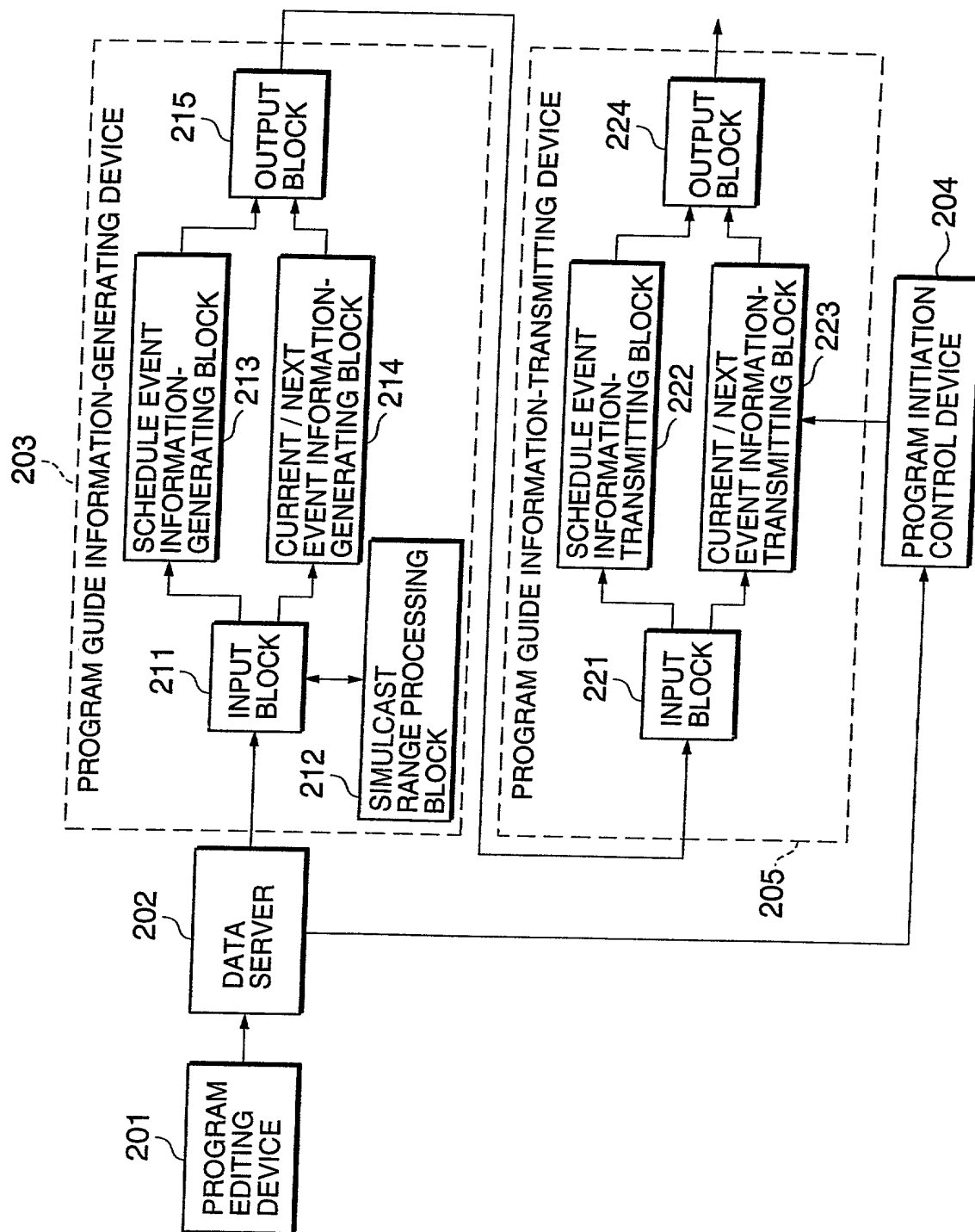


FIG. 2

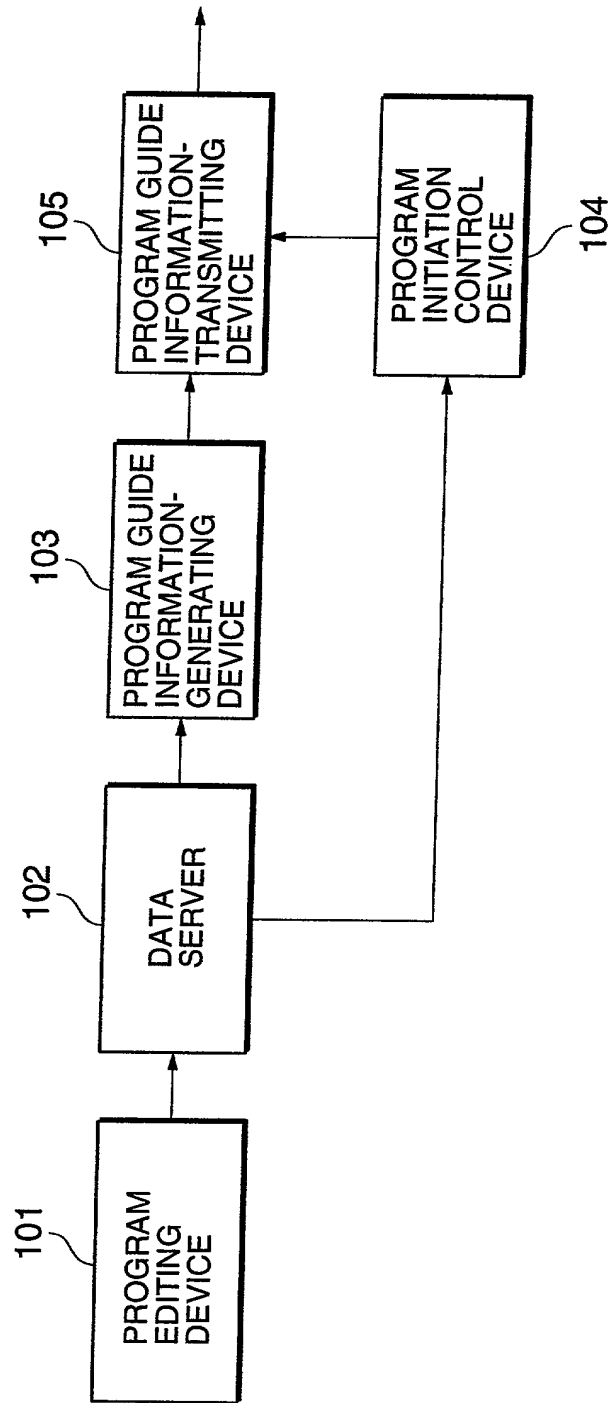


FIG.3

PROGRAM INFORMATION

308 MANAGEMENT CODE	301 EVENT IDENTIFIER	302 DURATION	303 PROGRAM TITLE	304 BRIEF PROGRAM CONTENT	305 DETAILED PROGRAM CONTENT	306 PERSONALITY
000012301	0123	00:30:00	WEATHER REPORT	THIS WEEK'S WEATHERS	WE WILL REPORT THE THIS WEEK'S WEATHERS OF THE NATION.	YOSHIKO MATSUSHITA
837462192	1234	01:00:00	WORLD NEWS	ALL EVENTS IN THE WORLD	WE WILL REPORT MAIN TOPICS OF THE WORLD.	ICHIRO MATSUSHITA
872134882	1435	01:25:00	MORNING NEWS	NEWS THROUGH THE NATION	WE WILL REPORT THE LATEST NEWS OF JAPAN.	TARO MATSUSHITA
338473629	3450	00:35:00	BITS OF KNOWLEDGE AT HOME	BITS OF KNOWLEDGE USEFUL AT HOME	TODAY'S BIT OF KNOWLEDGE IS USEFUL RECYCLING OF A PET BOTTLE.	HANAKO MATSUSHITA
448271048	6002	00:30:00	KIDS SQUARE	PROGRAM FOR CHILDREN	EXERCISE AND SO ON	YOSHIO MATSUSHITA
193887434	6098	03:00:00	SOCCER	ELIMINATION MATCH FOR THE WORLD CUP	JAPAN VS. KOREA	SUSUMU MATSUSHITA

307

FIG.4

PROGRAM BROADCASTING SCHEDULE

CHANNEL IDENTIFIER		DATE AND TIME TO START BROADCASTING		DATE AND TIME TO END BROADCASTING		MANAGEMENT CODE		EVENT IDENTIFIER	
1001		1999/12/02 06:00:00		1999/12/02 07:00:00		837462192		1234	
		1999/12/02 07:00:00		1999/12/02 08:25:00		872134882		1435	
		1999/12/02 08:25:00		1999/12/02 09:00:00		338473629		3450	
		1999/12/02 09:00:00		1999/12/02 10:00:00		000012301		0123	

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FIG.5

CHANNEL MANAGEMENT TABLE

NUMBER OF CHANNELS	5	501
CHANNEL IDENTIFIER	1001	502
CHANNEL IDENTIFIER	1002	503
CHANNEL IDENTIFIER	1003	
CHANNEL IDENTIFIER	1004	
CHANNEL IDENTIFIER	1005	

FIG.6

PROGRAM BROADCASTING SCHEDULE
WITH SIMULCAST RANGE

CHANNEL IDENTIFIER			1002	601
DATE AND TIME TO START BROADCASTING	DATE AND TIME TO END BROADCASTING	MANAGEMENT CODE	EVENT IDENTIFIER	
1999/12/02 06:30:00	1999/12/02 07:00:00	448271048	6002	
1999/12/02 07:00:00	1999/12/02 09:00:00	000000000	1001 SIMULCAST	602
1999/12/02 09:00:00	1999/12/02 12:00:00	193887434	6098	

SIMULCAST RANGE PROCESSING

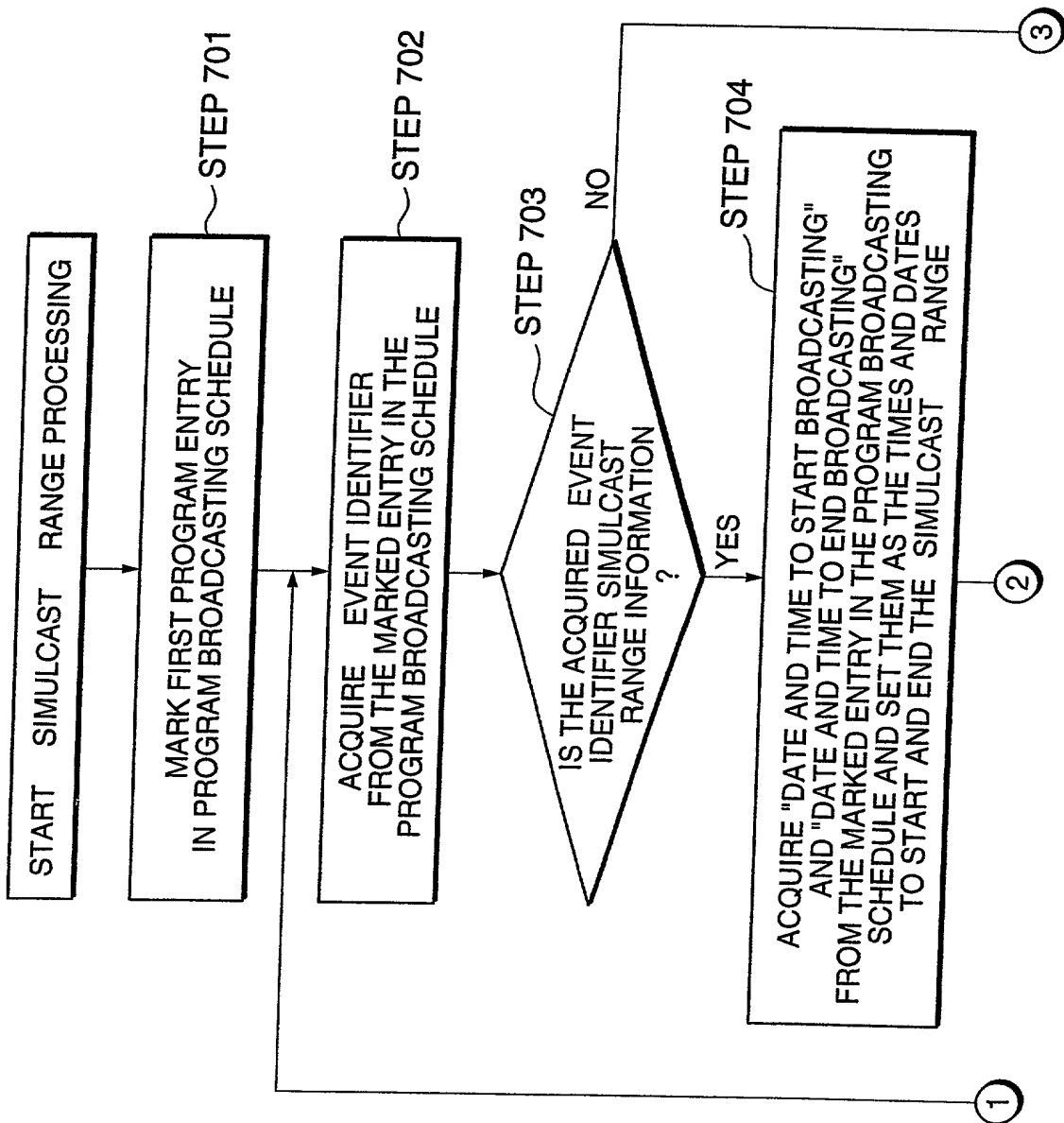
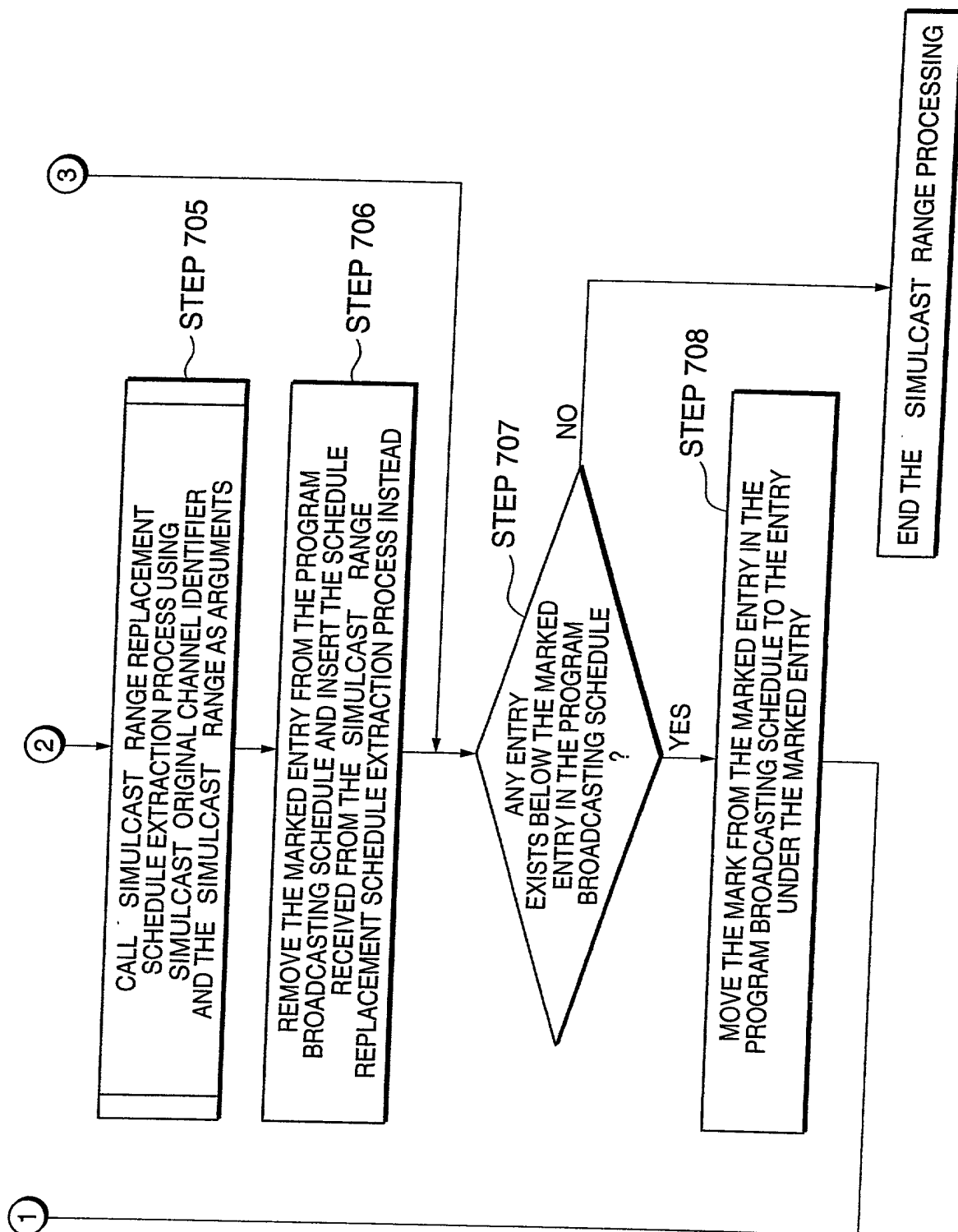


FIG. 7B



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FIG.8A

SIMULCAST RANGE EXTRACTION PROCESS

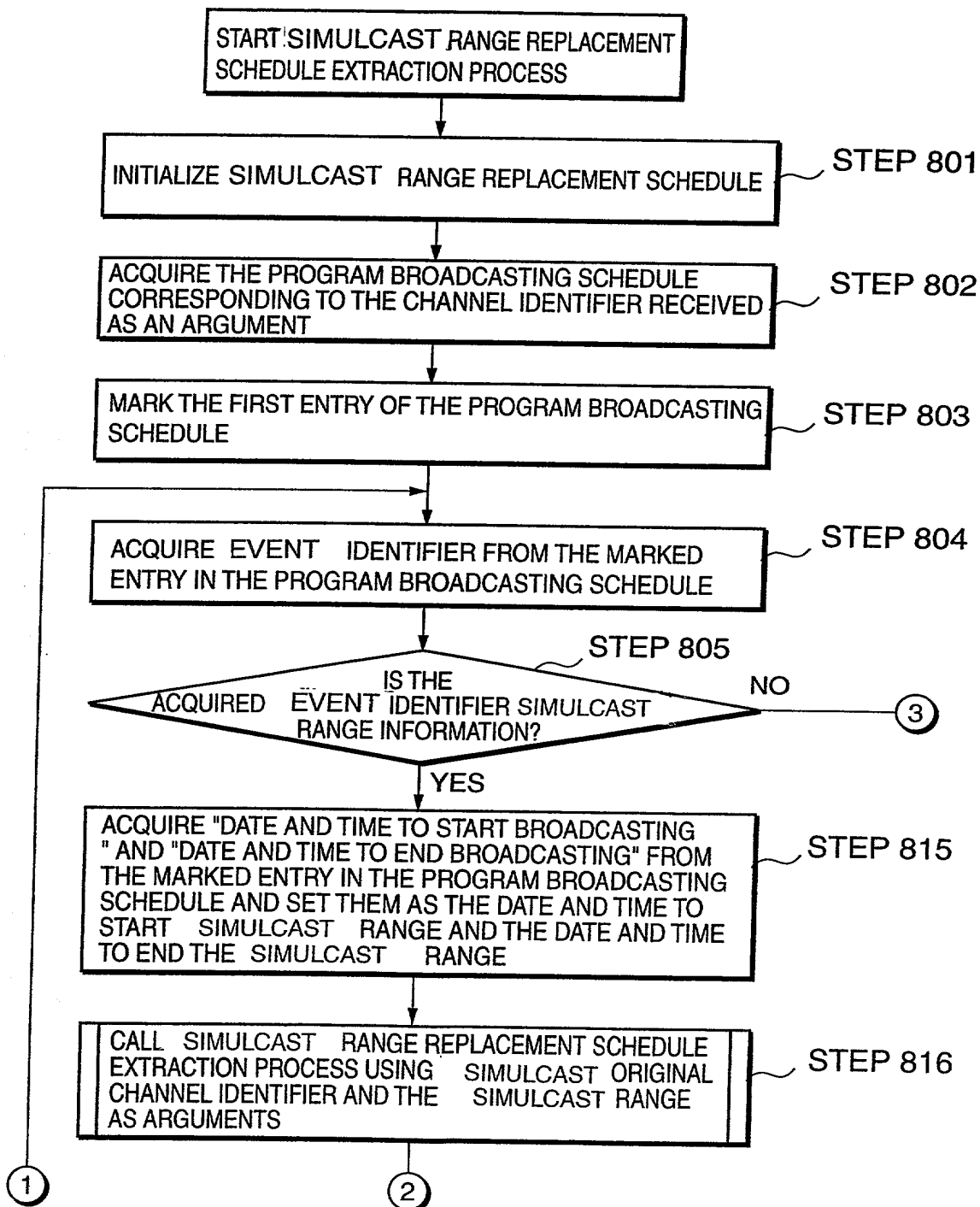


FIG. 8B

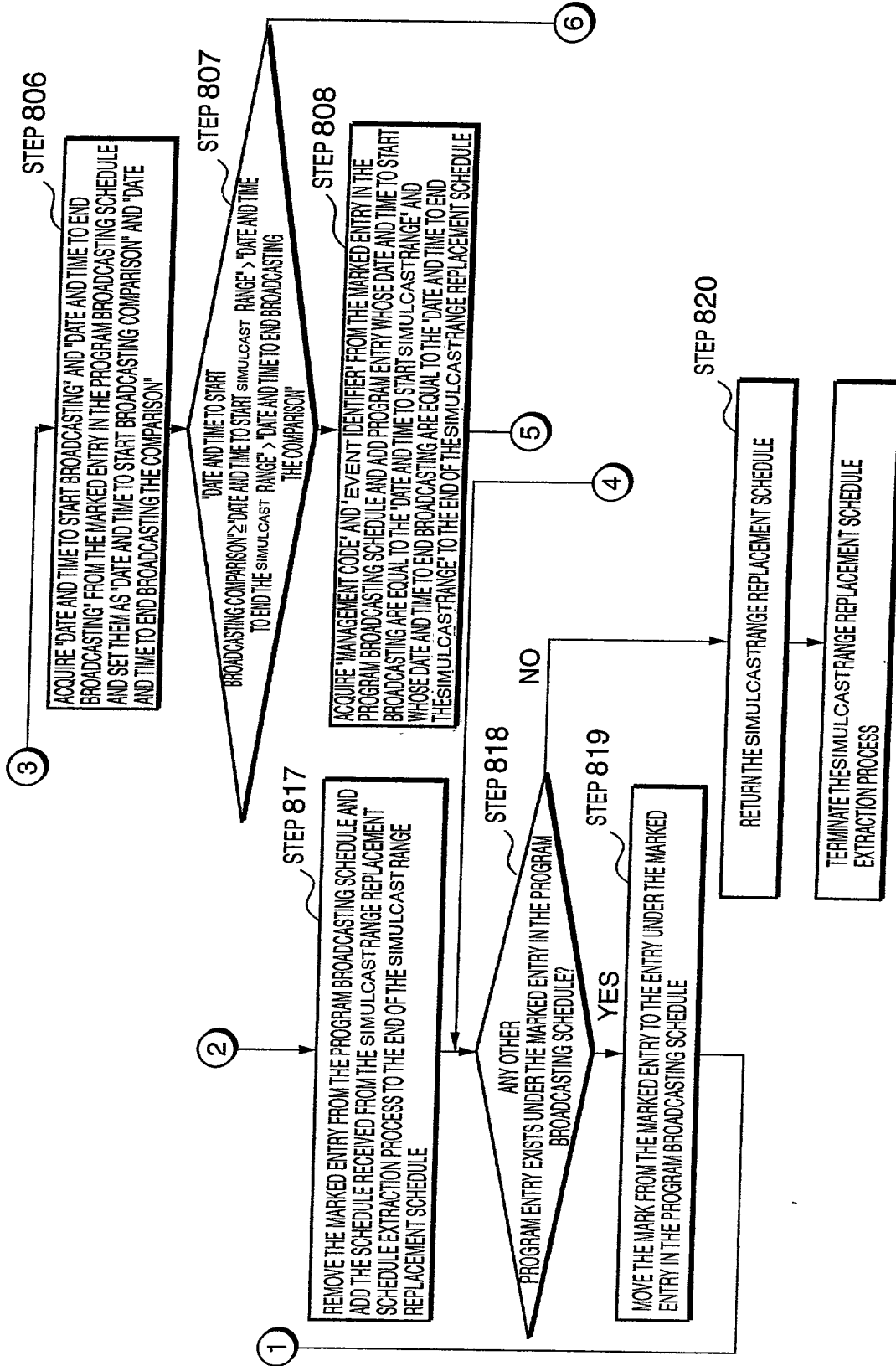
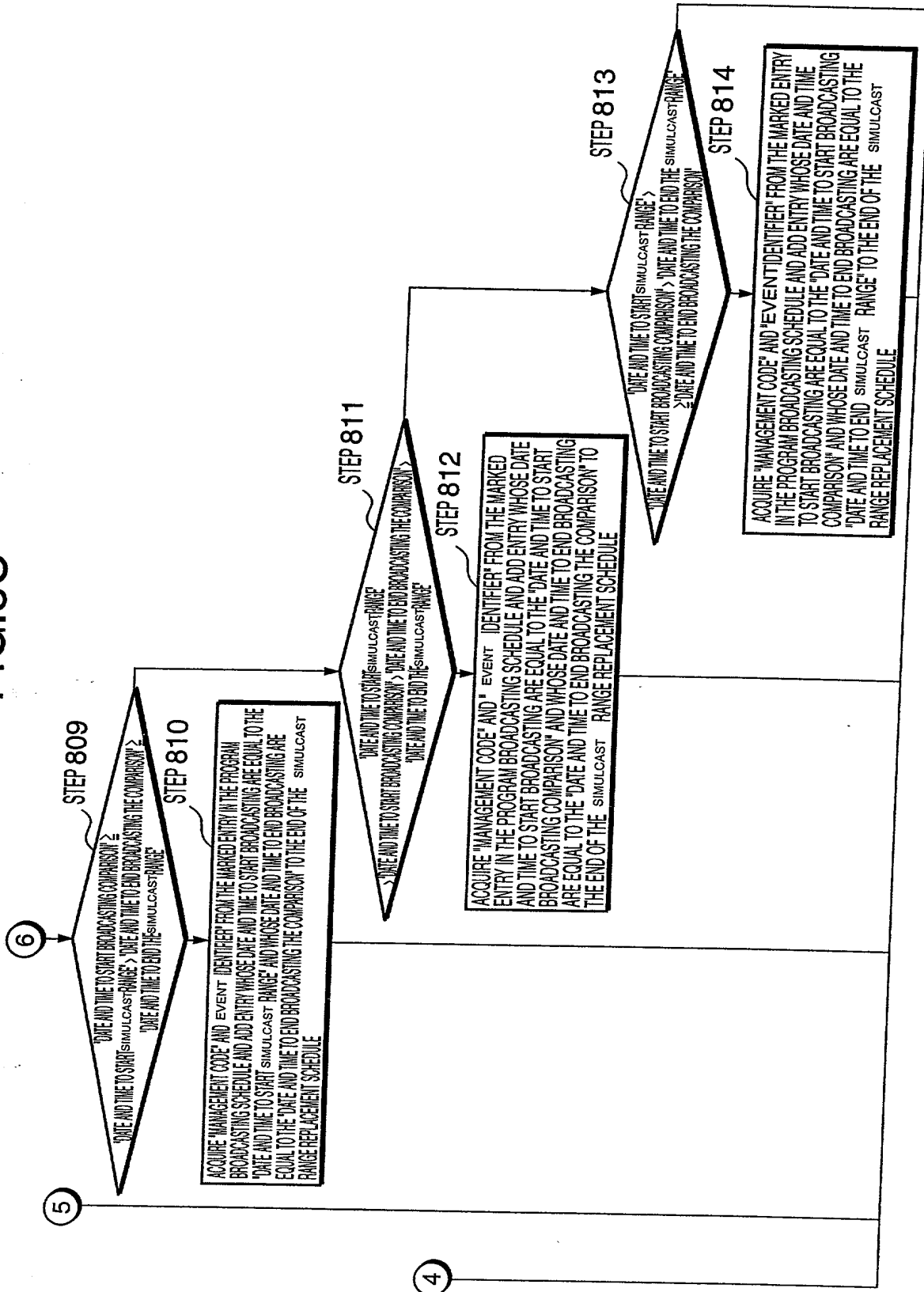


FIG.8C



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FIG.9

SIMULCAST RANGE REPLACEMENT SCHEDULE

1999/12/02 07:00:00	1999/12/02 08:25:00	872134882	1435
1999/12/02 08:25:00	1999/12/02 09:00:00	338473629	3450

FIG.10

PROGRAM BROADCASTING SCHEDULE AFTER
REPLACING SIMULCAST RANGE

CHANNEL IDENTIFIER			1002
DATE AND TIME TO START BROADCASTING	DATE AND TIME TO END BROADCASTING	MANAGEMENT CODE	EVENT IDENTIFIER
1999/12/02 06:30:00	1999/12/02 07:00:00	448271048	6002
1999/12/02 07:00:00	1999/12/02 08:25:00	872134882	1435
1999/12/02 08:25:00	1999/12/02 09:00:00	338473629	3450
1999/12/02 09:00:00	1999/12/02 12:00:00	193887434	6098

1001

1002

FIG. 11A

SCHEDULE EVENT INFORMATION GENERATION PROCESS

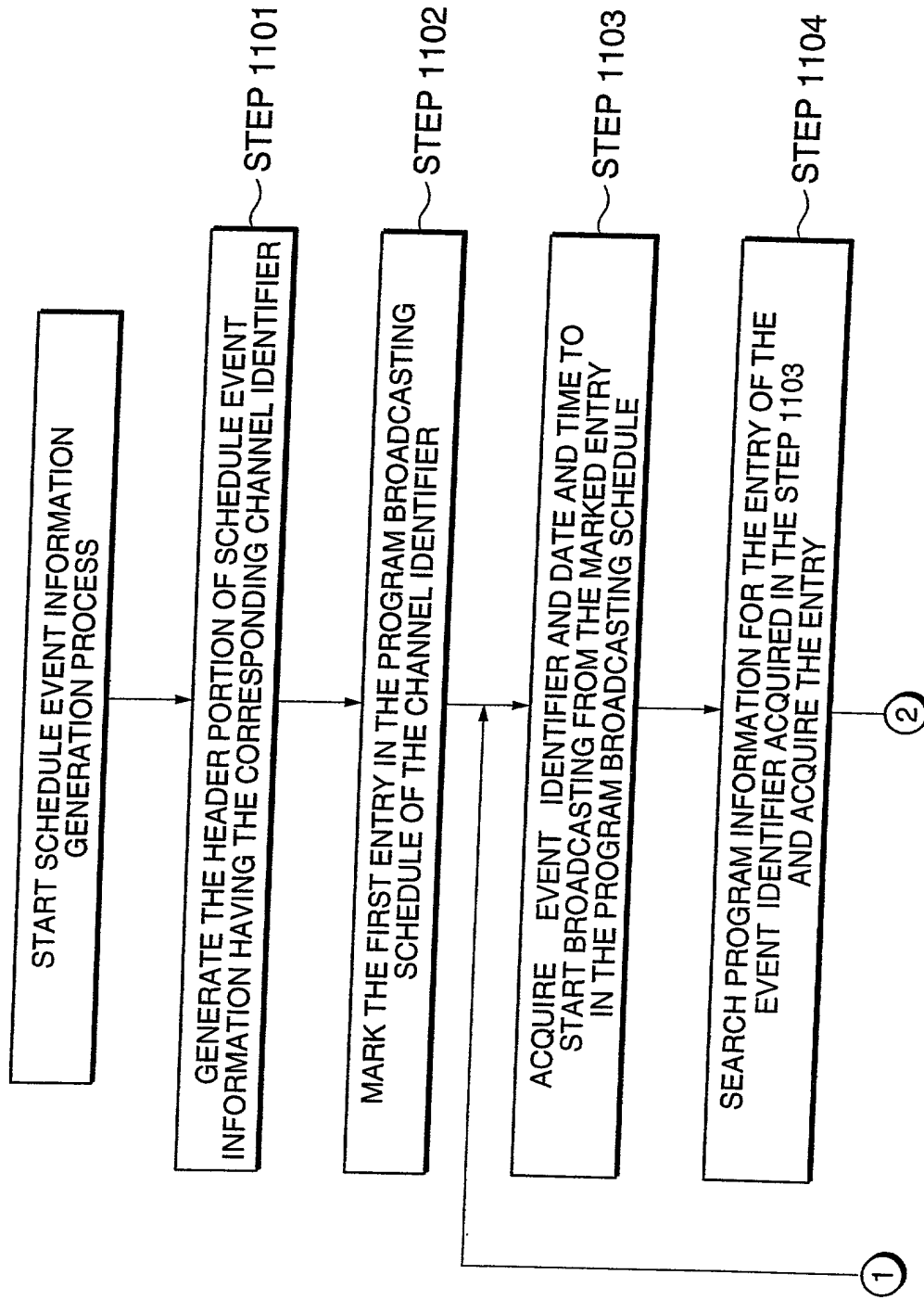


FIG. 11B

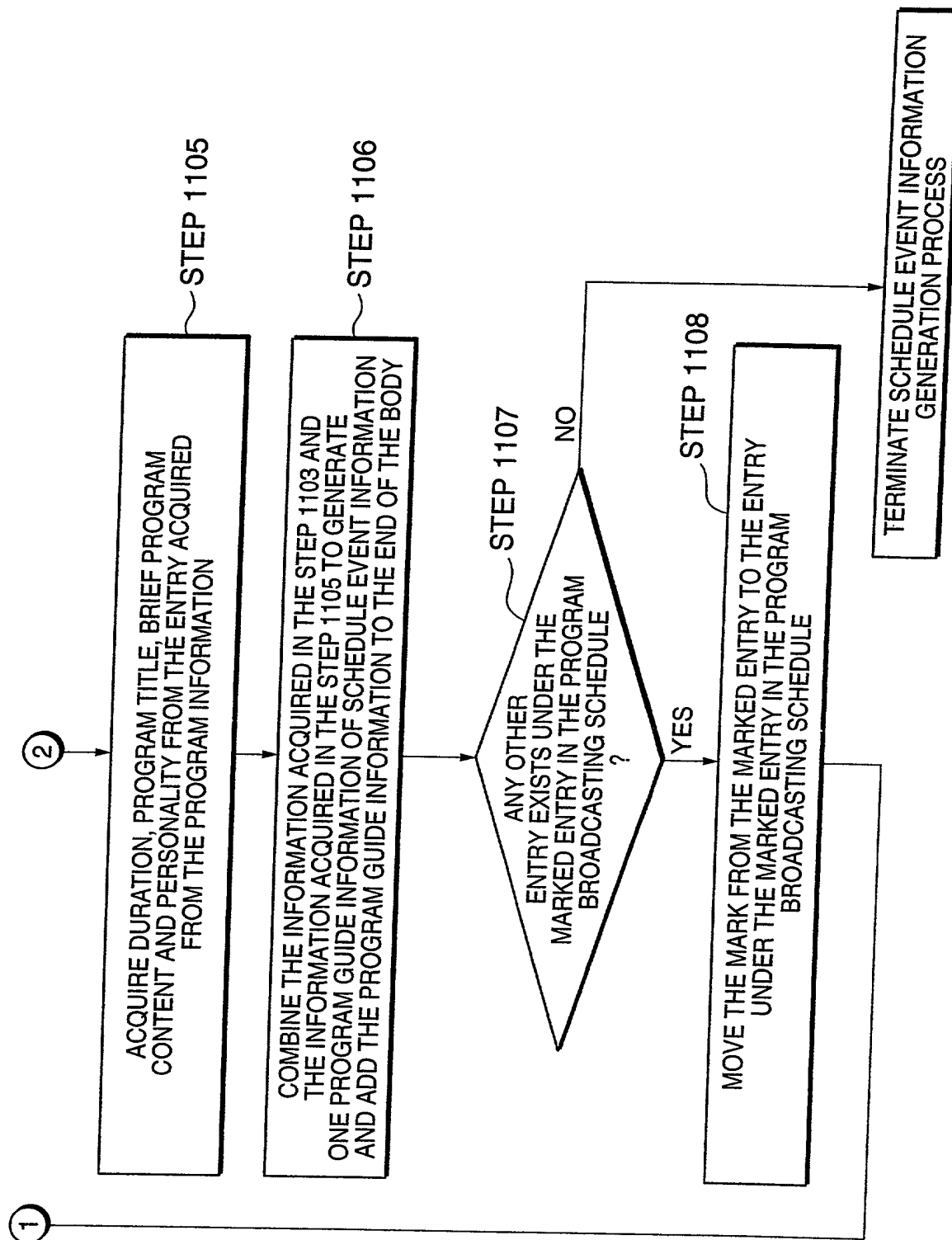


FIG.12A

SCHEDULE EVENT INFORMATION

TYPE OF PROGRAM GUIDE INFORMATION		SCHEDULE EVENT INFORMATION	1201
CHANNEL IDENTIFIER		1001	1202
1	EVENT IDENTIFIER		1234
	START TIME		1999/12/02 06:00:00
	DURATION		01:00:00
	PROGRAM INFORMATION	PROGRAM TITLE	WORLD NEWS
		PROGRAM CONTENT	ALL EVENTS IN THE WORLD
		PERSONALITY	ICHIRO MATSUSHITA
2	EVENT IDENTIFIER		1435
	START TIME		1999/12/02 07:00:00
	DURATION		01:25:00
	PROGRAM INFORMATION	PROGRAM TITLE	MORNING NEWS
		PROGRAM CONTENT	NEWS IN THE NATION
		PERSONALITY	TARO MATSUSHITA

1203

①

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FIG.12B

3	EVENT IDENTIFIER		3450	1503
	START TIME		1999/12/02 08:25:00	
	DURATION		00:35:00	
	PROGRAM INFORMATION	PROGRAM TITLE	BITS OF KNOWLEDGE AT HOME	1504
		PROGRAM CONTENT	BITS OF KNOWLEDGE USEFUL AT HOME	
		PERSONALITY	HANAKO MATSUSHITA	
4	EVENT IDENTIFIER		0123	
	START TIME		1999/12/02 09:00:00	
	DURATION		01:00:00	
	PROGRAM INFORMATION	PROGRAM TITLE	WEATHER REPORT	
		PROGRAM CONTENT	THIS WEEK'S WEATHERS	
		PERSONALITY	YOSHIKO MATSUSHITA	

FIG. 12B

①

FIG.13A

METHOD FOR GENERATING TRANSMISSION SCHEDULE

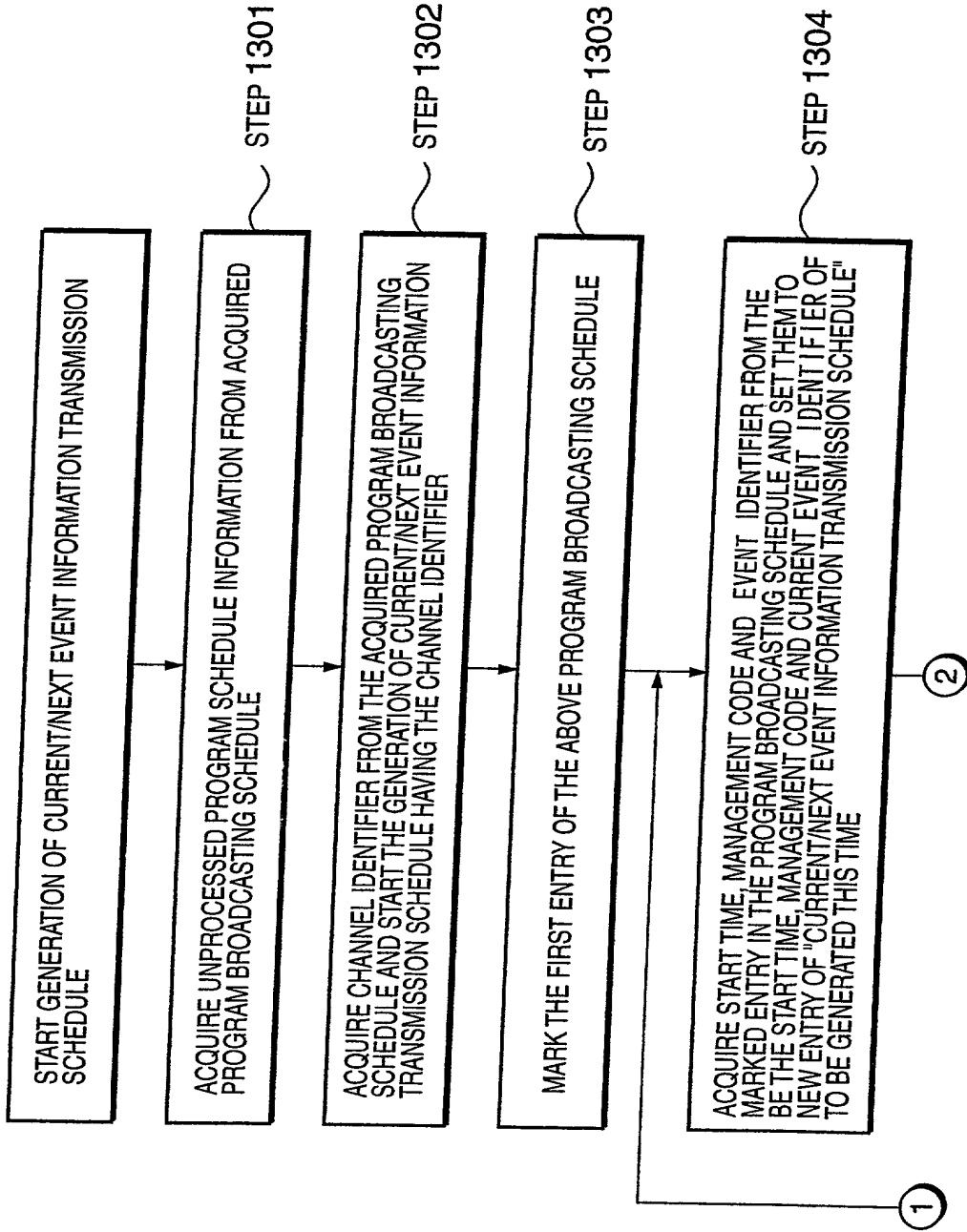


FIG.13B

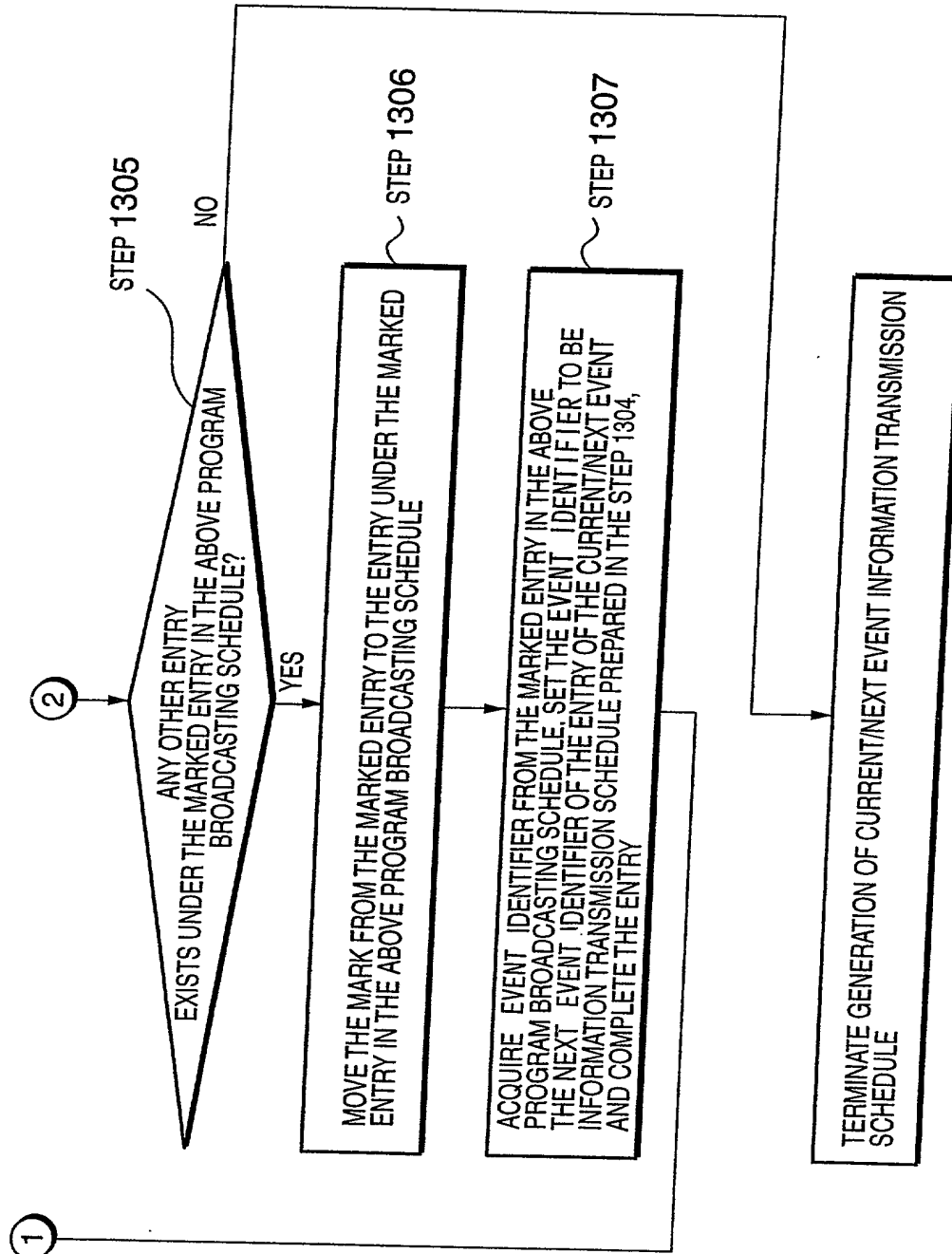


FIG.14

CURRENT/NEXT EVENT INFORMATION TRANSMISSION SCHEDULE

TYPE OF PROGRAM GUIDE INFORMATION		CURRENT/NEXT EVENT INFORMATION TRANSMISSION SCHEDULE		1401
CHANNEL IDENTIFIER		1001		1402
DATE AND TIME TO START BROADCASTING	MANAGEMENT CODE	CURRENT EVENT IDENTIFIER	NEXT EVENT IDENTIFIER	1403
1999/12/02 06:00:00	448271048	1234	1435	1404
1999/12/02 07:00:00	1435	1435	3450	
1999/12/02 08:25:00	3450	3450	0123	
1999/12/02 09:00:00	193887434	0123	UNDETERMINED	1405

FIG.15A

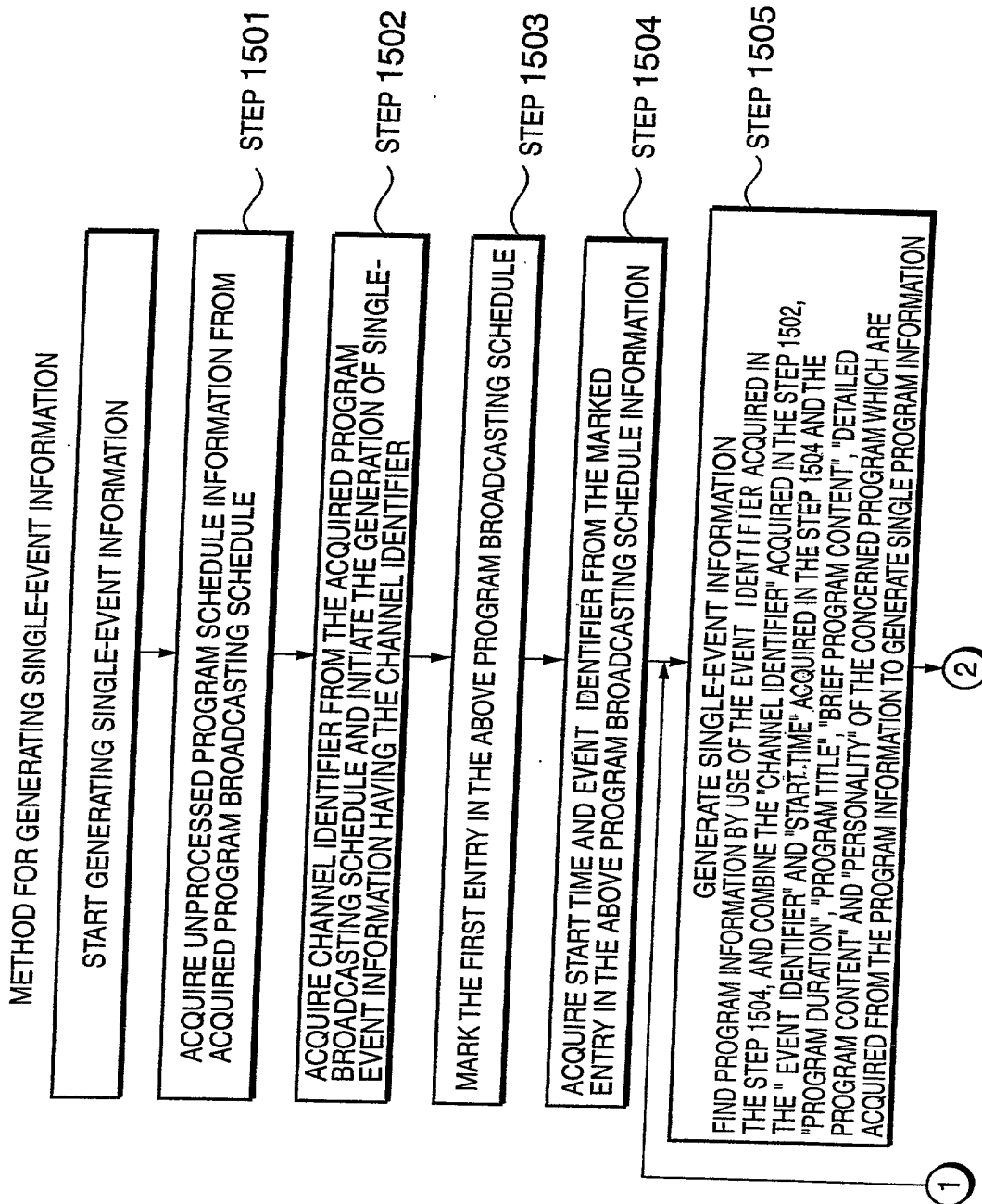


FIG.15B

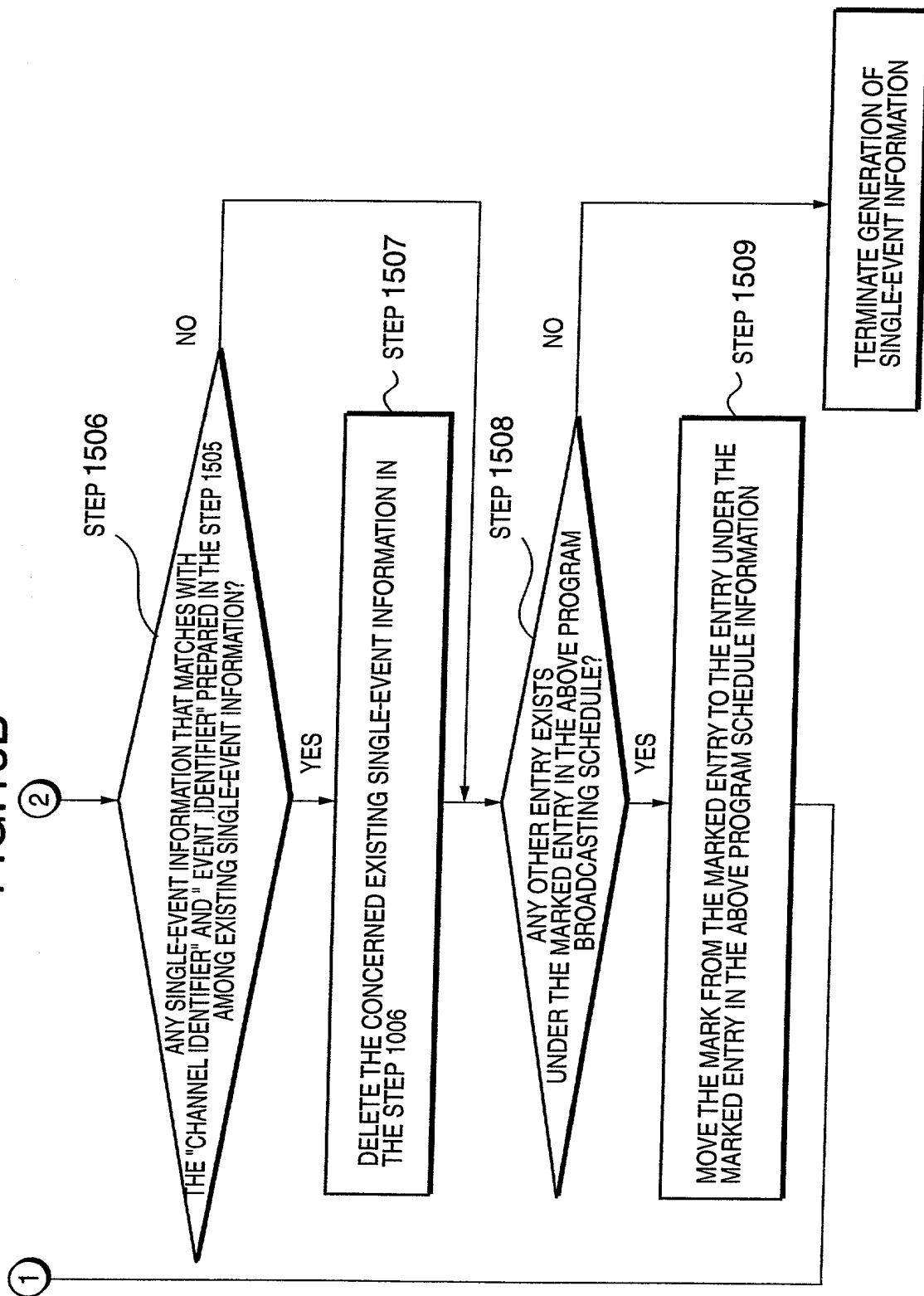


FIG. 16

SINGLE-EVENT INFORMATION

TYPE OF PROGRAM GUIDE INFORMATION		SINGLE-EVENT INFORMATION	1601
CHANNEL IDENTIFIER		1001	1602
EVENT IDENTIFIER		1234	1603
START TIME		1999 / 12 / 02 06:00:00	1604
DURATION		01:00:00	1605
PROGRAM INFORMATION	PROGRAM TITLE	WORLD NEWS	1606
	BRIEF PROGRAM CONTENT	ALL EVENTS IN THE WORLD	1607
	DETAILED PROGRAM CONTENT	WE WILL REPORT MAJOR TOPICS OF THE WORLD.	1608
	PERSONALITY	ICHIRO MATSUSHITA	1609

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FIG.17A

PROGRAM INITIATION NOTICE RECEPTION PROCESS

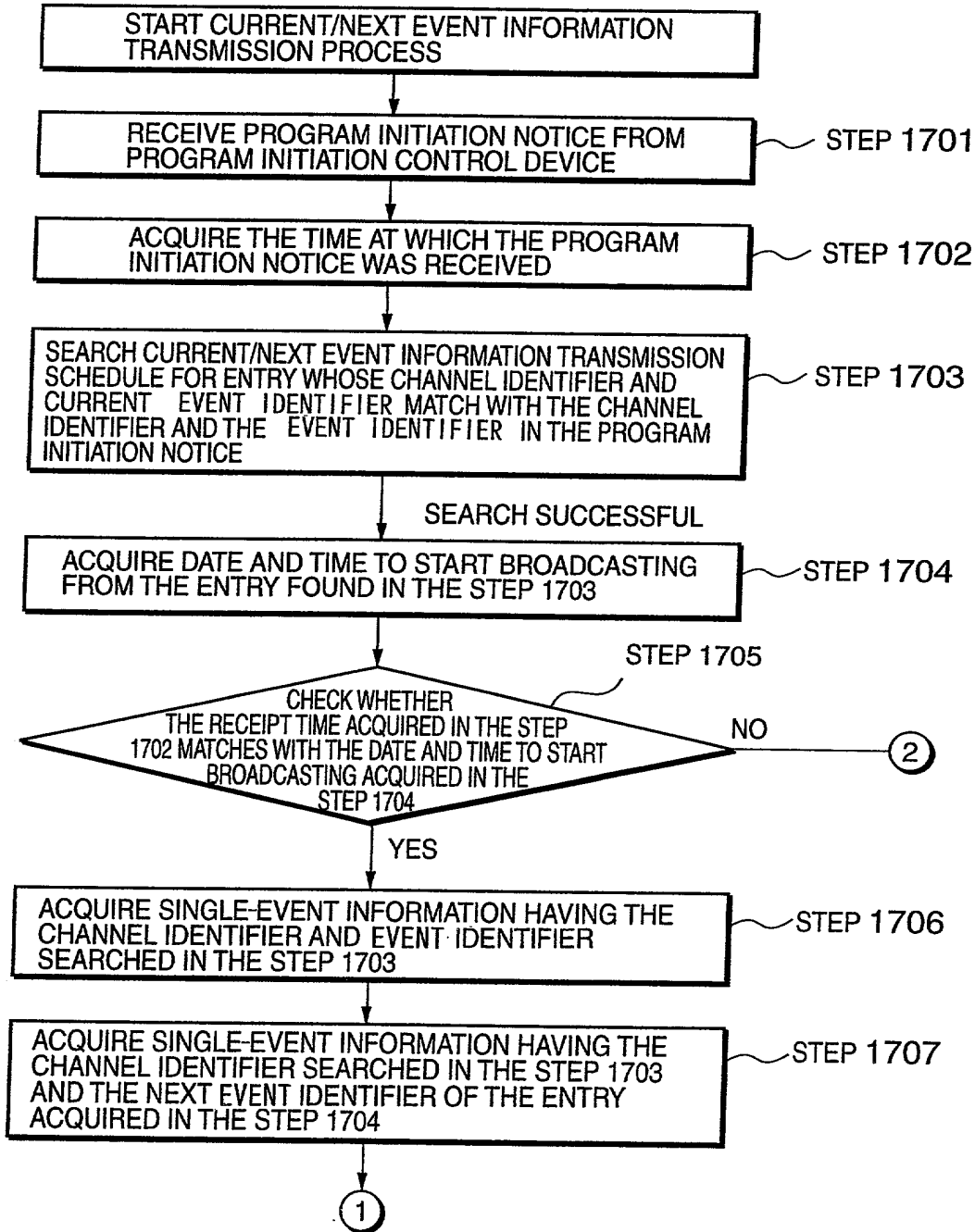
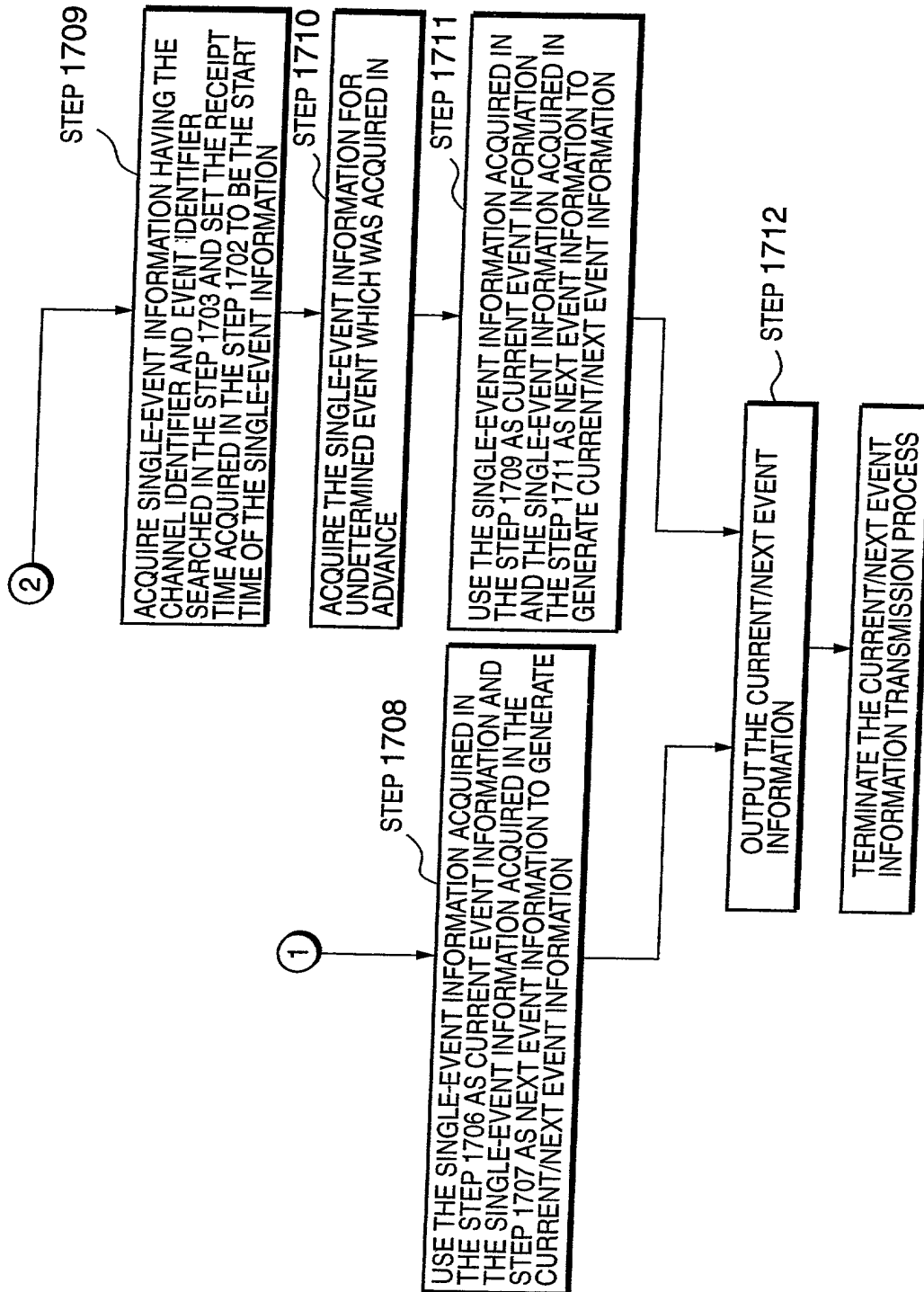


FIG.17B



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FIG. 18

CURRENT / NEXT EVENT INFORMATION

TYPE OF PROGRAM GUIDE INFORMATION			CURRENT / NEXT EVENT INFORMATION	1501
CHANNEL IDENTIFIER			1001	1502
CURRENT EVENT INFORMATION	EVENT IDENTIFIER		1234	1503
	START TIME		1999 / 12 / 02 06:00:00	
	DURATION		01:00:00	
	PROGRAM INFORMATION	PROGRAM TITLE	WORLD NEWS	
		BRIEF PROGRAM CONTENT	ALL EVENTS IN THE WORLD	
		DETAILED PROGRAM CONTENT	WE WILL REPORT MAJOR TOPICS OF THE WORLD	
		PERSONALITY	ICHIRO MATSUSHITA	
NEXT EVENT INFORMATION	EVENT IDENTIFIER		1435	1504
	START TIME		1999 / 12 / 02 07:00:00	
	DURATION		00:30:00	
	PROGRAM INFORMATION	PROGRAM TITLE	MORNING NEWS	
		BRIEF PROGRAM CONTENT	NEWS IN THE NATION	
		DETAILED PROGRAM CONTENT	WE WILL REPORT THE LATEST NEWS OF JAPAN	
		PERSONALITY	TARO MATSUSHITA	

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FIG. 19

PROGRAM INITIATION NOTICE

CHANNEL IDENTIFIER	1002	1901
EVENT IDENTIFIER	1234	1902
SIMULCAST ORIGINAL CHANNEL IDENTIFIER	NONE	1903

FIG. 20

PROGRAM INITIATION NOTICE

CHANNEL IDENTIFIER	1002	2001
EVENT IDENTIFIER	1435	2002
SIMULCAST ORIGINAL CHANNEL IDENTIFIER	1001	2003

FIG. 21

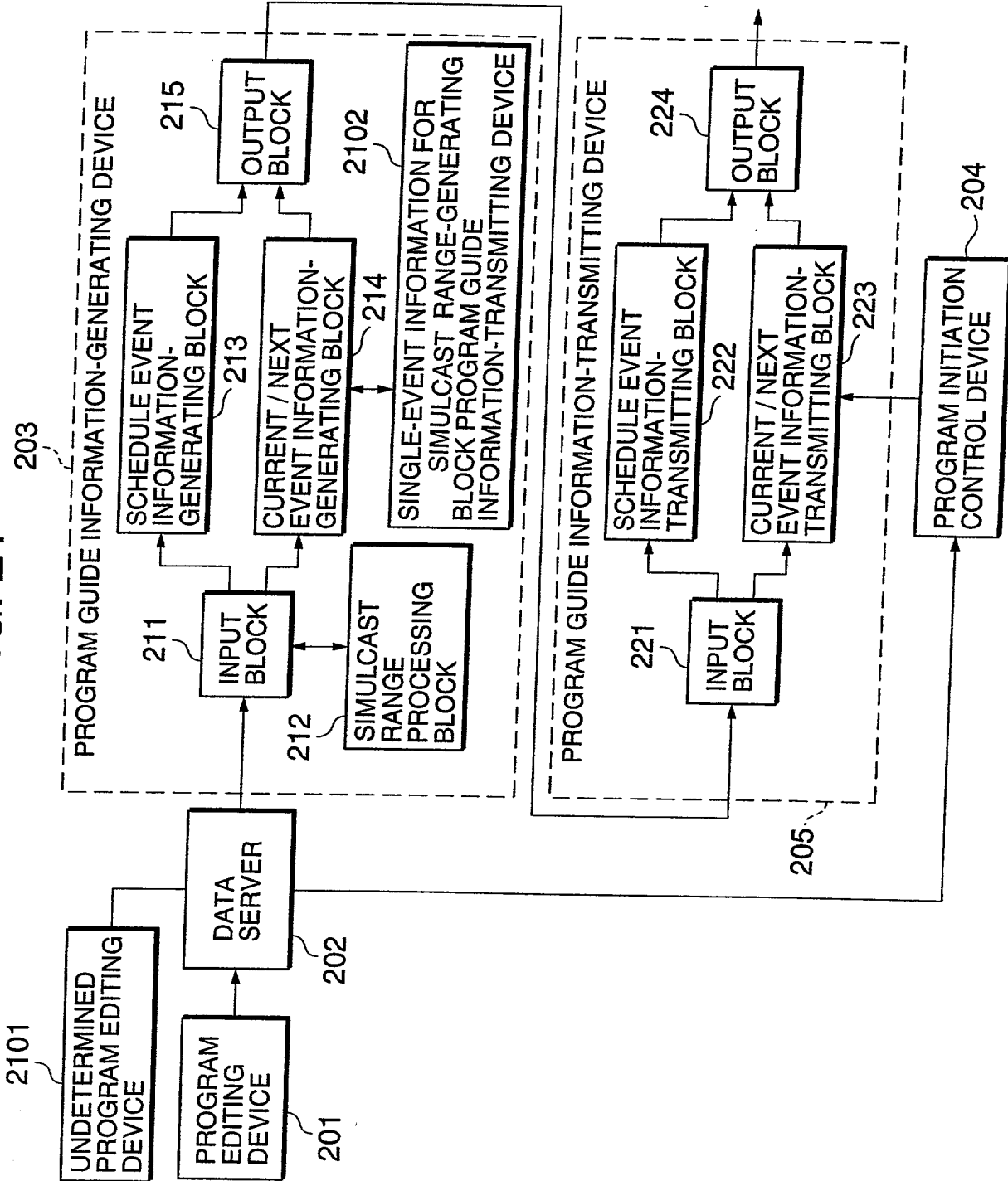


FIG. 22A

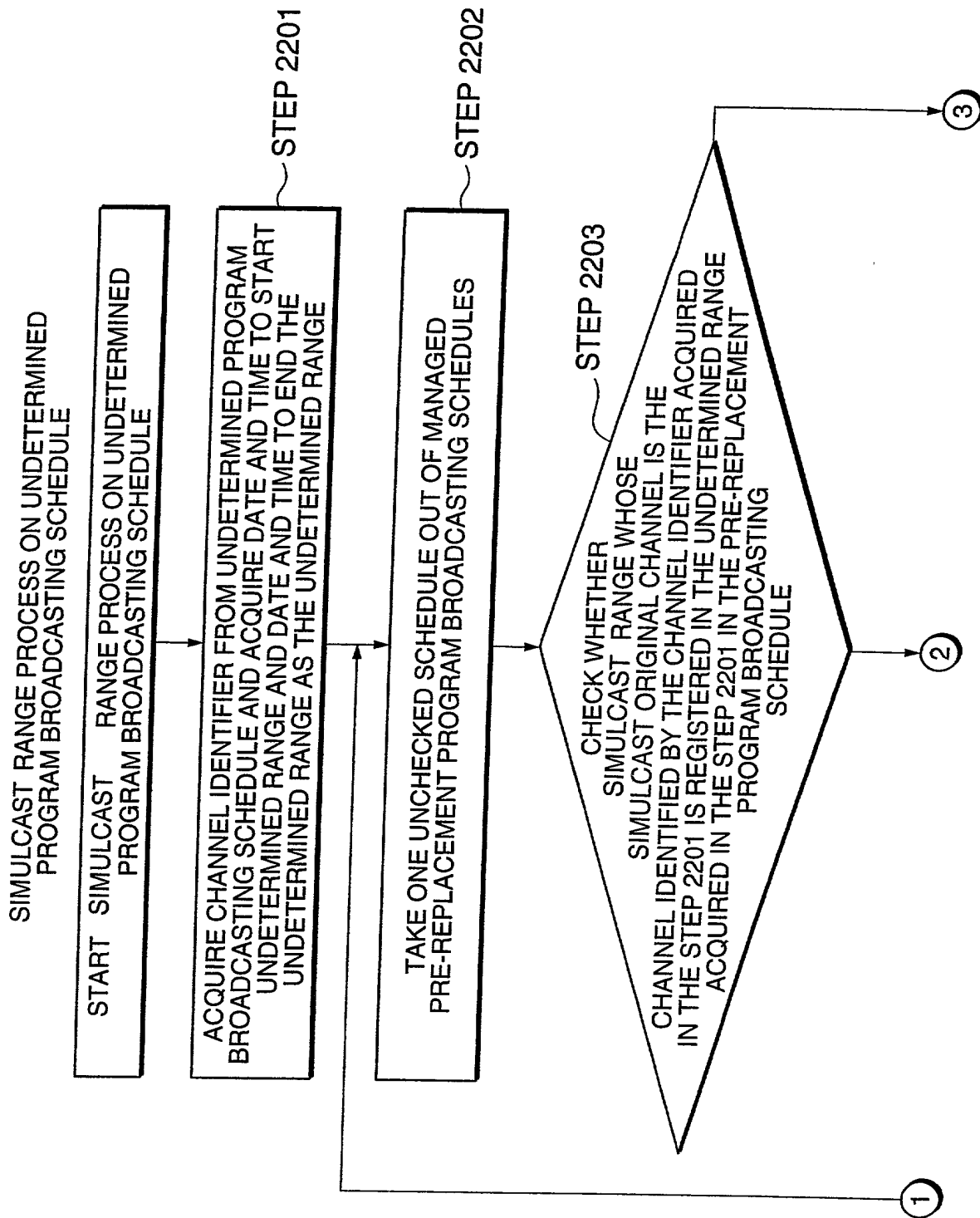


FIG. 22B

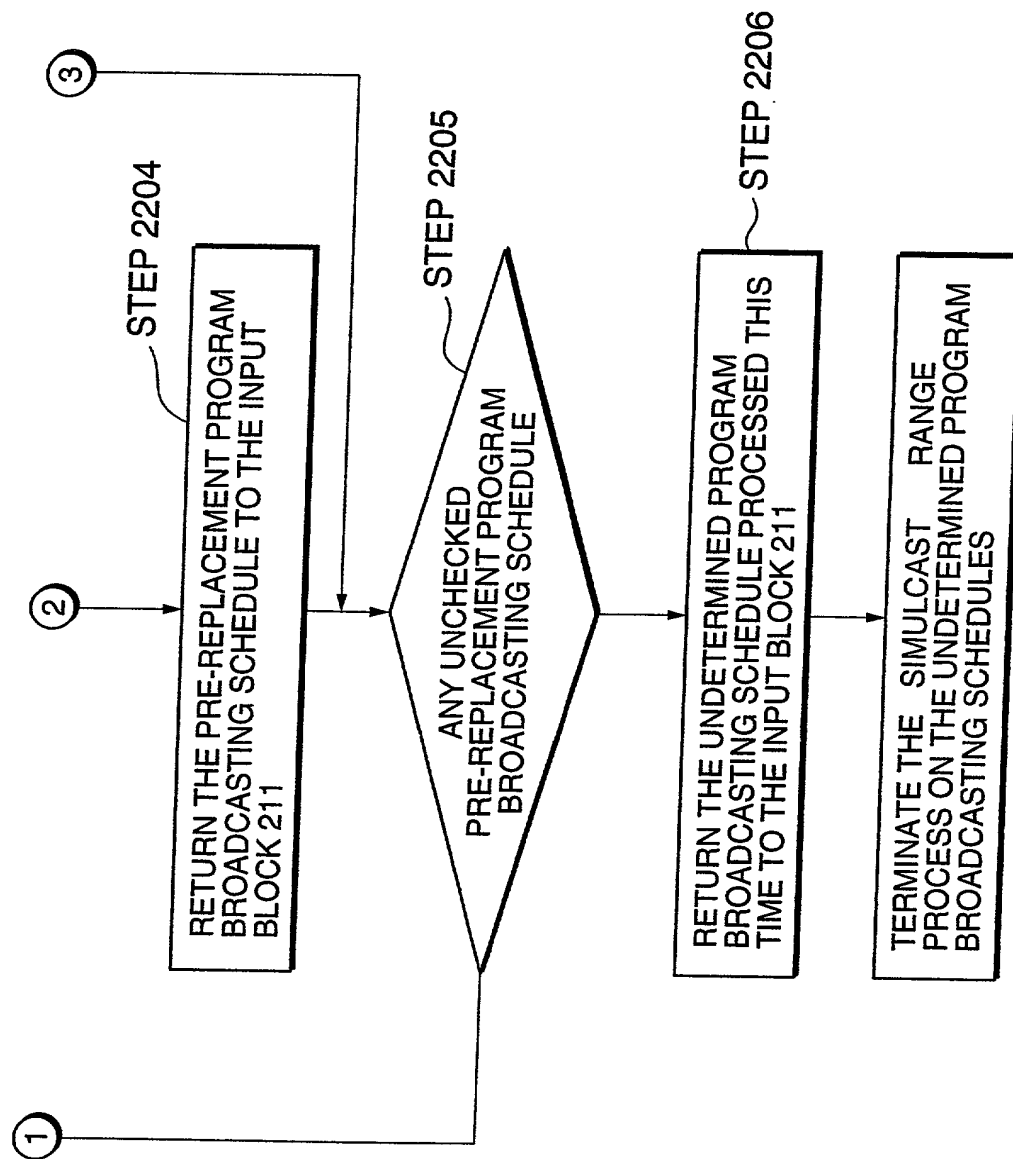


FIG.23

CURRENT/NEXT EVENT INFORMATION TRANSMISSION SCHEDULE
WITH A SIMULCAST RANGE

TYPE OF PROGRAM GUIDE INFORMATION		CURRENT/NEXT EVENT INFORMATION TRANSMISSION SCHEDULE	
CHANNEL IDENTIFIER		1002	
DATE AND TIME TO START BROADCASTING	MANAGEMENT CODE	CURRENT EVENT IDENTIFIER	NEXT EVENT IDENTIFIER
1999/12/02 06:00:00	448271048	6002	UNDETERMINED
1999/12/02 07:00:00	000000000	1001 SIMULTANEOUS	UNDETERMINED
1999/12/02 09:00:00	193887434	6098	UNDETERMINED

FIG.24

CURRENT/NEXT EVENT INFORMATION TRANSMISSION SCHEDULE
WITH UNDETERMINED RANGES

TYPE OF PROGRAM GUIDE INFORMATION		CURRENT/NEXT EVENT INFORMATION TRANSMISSION SCHEDULE	
CHANNEL IDENTIFIER		1001	
DATE AND TIME TO START BROADCASTING	MANAGEMENT CODE	CURRENT EVENT IDENTIFIER	NEXT EVENT IDENTIFIER
1999/12/02 06:00:00	837462192	1234	UNDETERMINED
DATE AND TIME UNDETERMINED	872134882	1435	UNDETERMINED
DATE AND TIME UNDETERMINED	338473629	3450	UNDETERMINED
DATE AND TIME UNDETERMINED	000012301	0123	UNDETERMINED

2401

2402

2403

2404

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FIG.25A

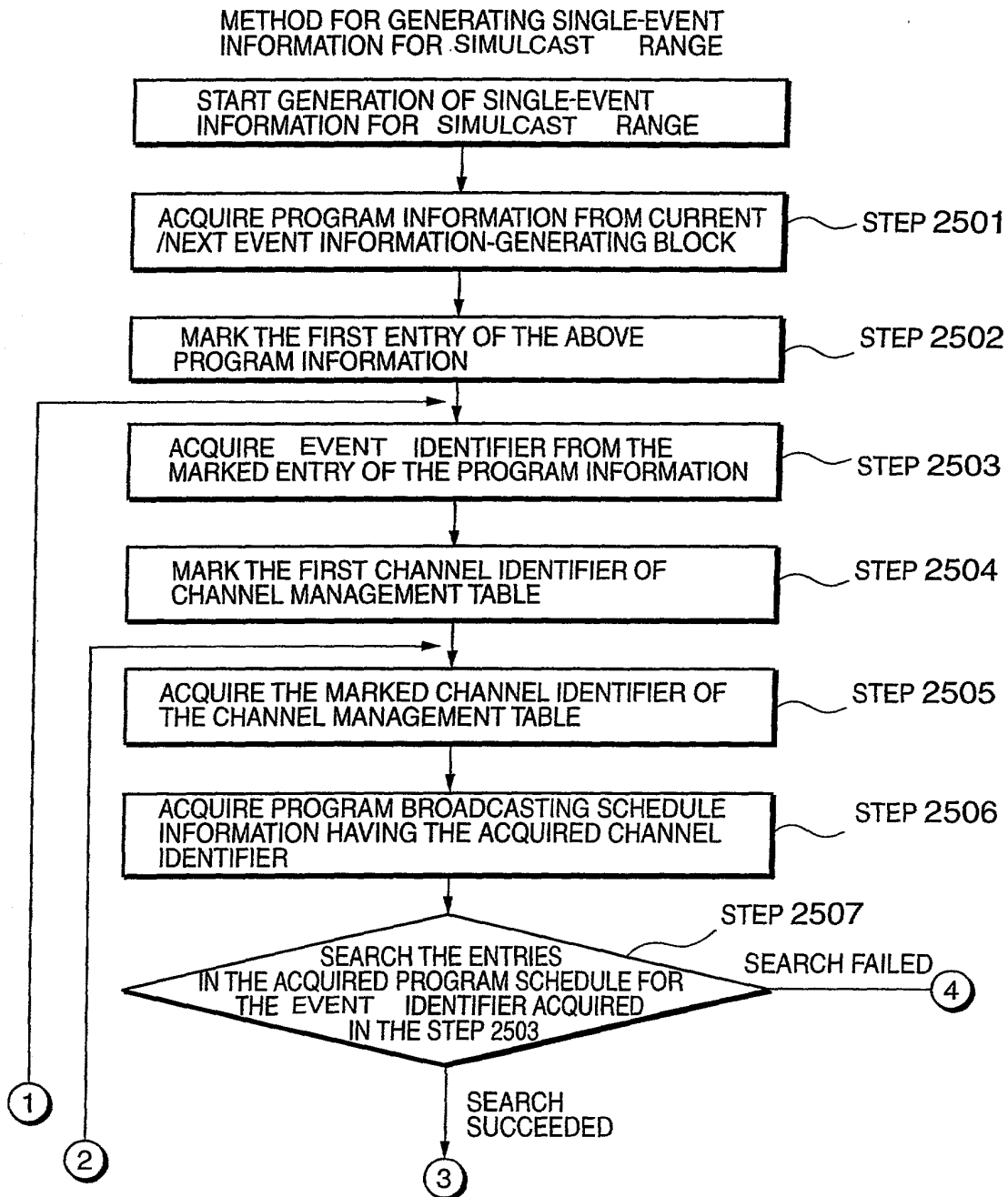


FIG.25B

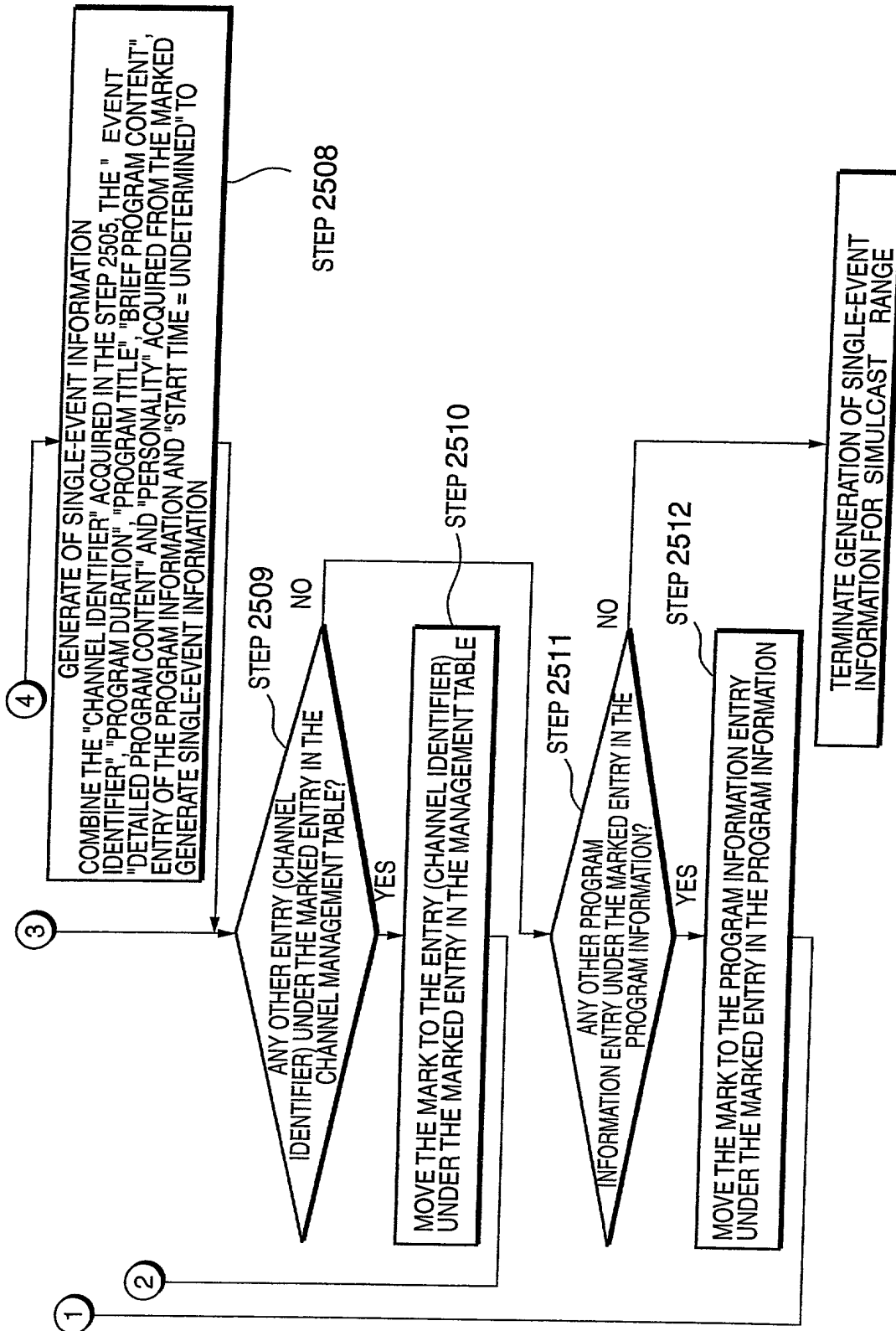


FIG.26

SINGLE-EVENT INFORMATION FOR SIMULCAST RANGE

TYPE OF PROGRAM GUIDE INFORMATION		SINGLE-EVENT INFORMATION	2601
CHANNEL IDENTIFIER		1002	2602
EVENT IDENTIFIER		1234	2603
START TIME		UNDETERMINED	2604
DURATION		01:00:00	2605
PROGRAM INFORMATION	PROGRAM TITLE	WORLD NEWS	2606
	BRIEF PROGRAM CONTENT	ALL EVENTS IN THE WORLD	2607
	DETAILED PROGRAM CONTENT	WE WILL REPORT MAIN TOPICS OF THE WORLD	2608
	PERSONALITY	ICHIRO MATSUSHITA	2609

FIG.27A

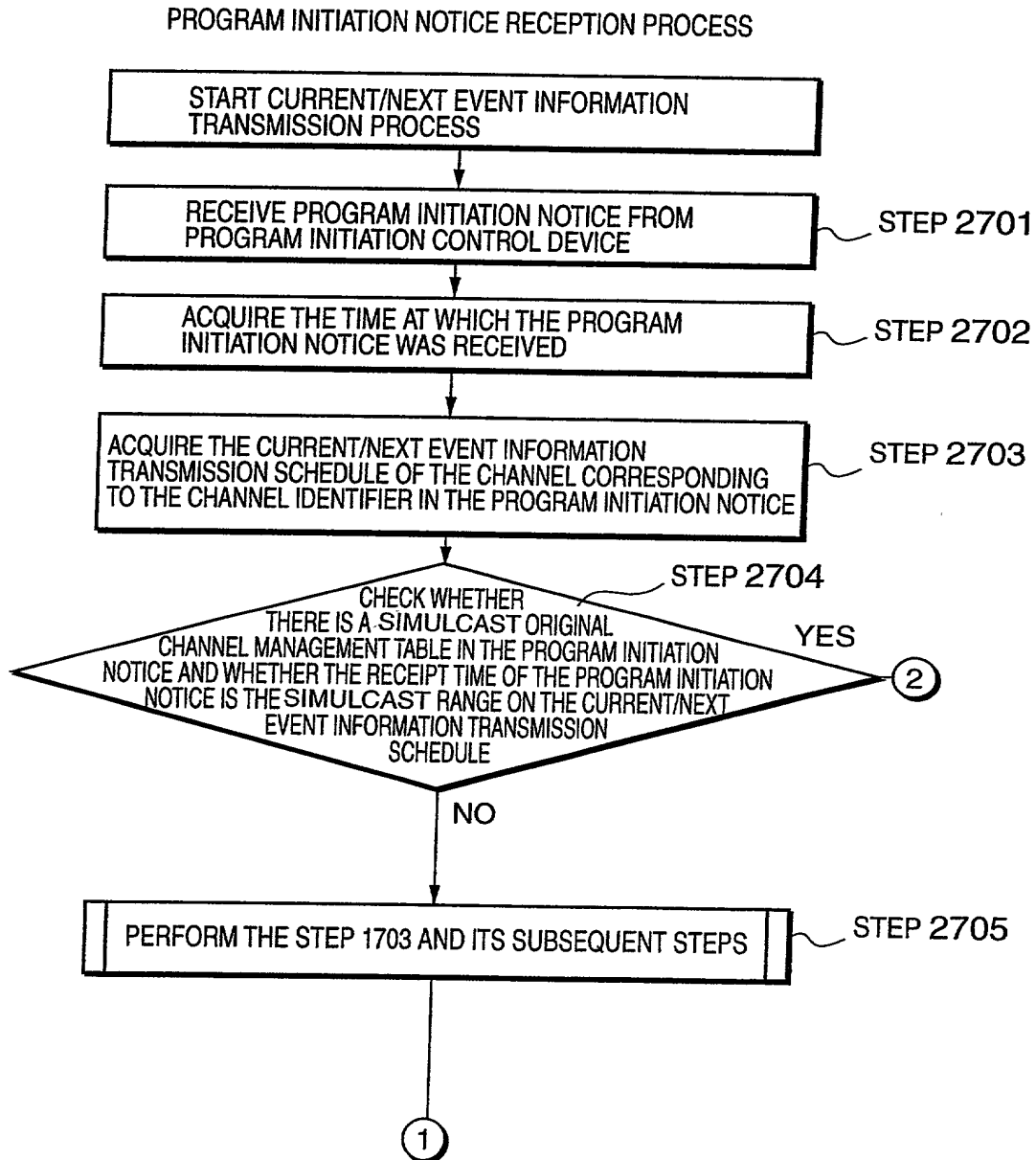
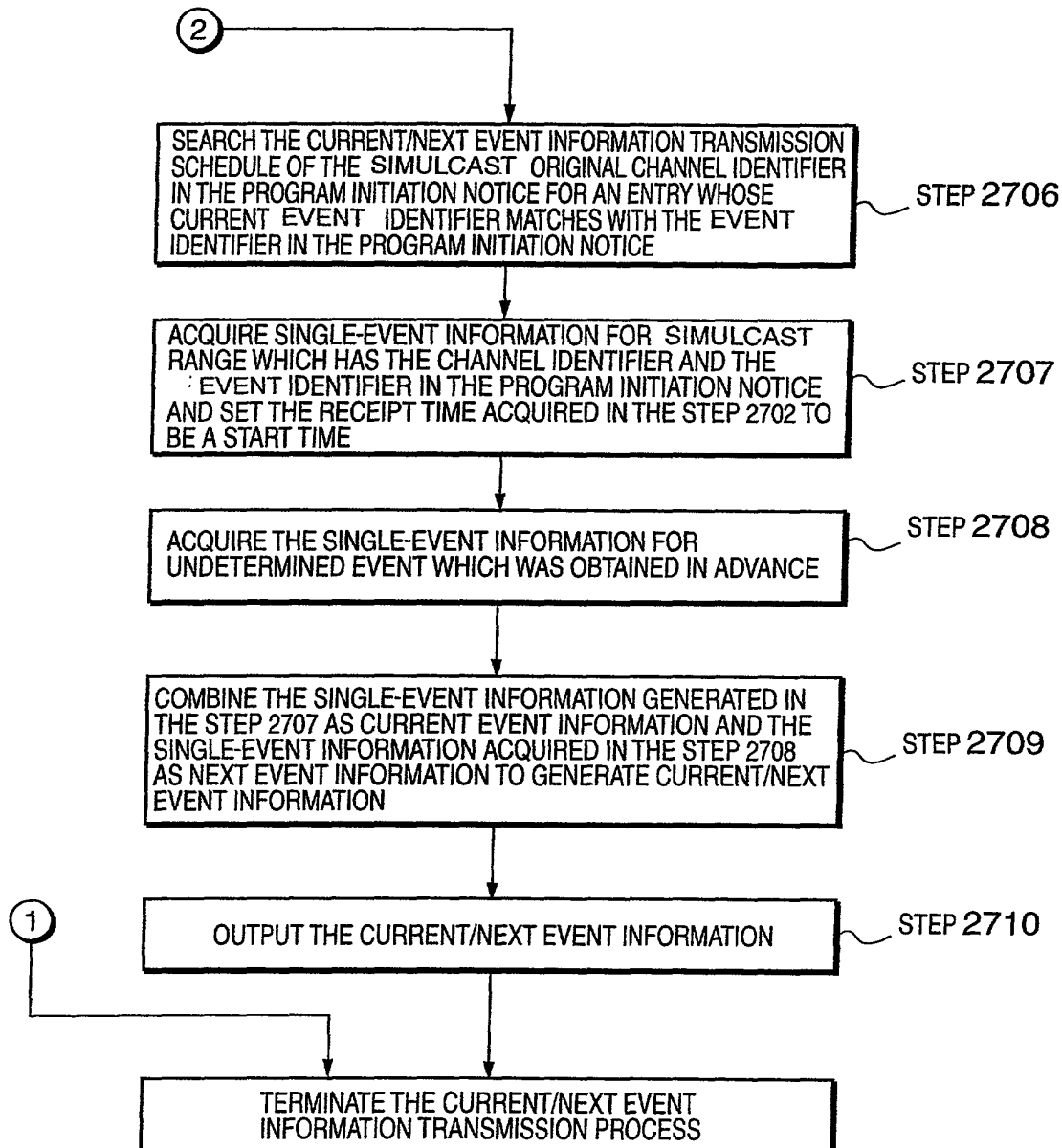


FIG.27B



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FIG.28

UNDETERMINED PROGRAM BROADCASTING SCHEDULE

CHANNEL IDENTIFIER		1001	2101
DATE AND TIME TO START UNDETERMINED RANGE		1999/12/02 06:00:00	2102
DATE AND TIME TO END UNDETERMINED RANGE		1999/12/02 10:00:00	2103
DATE AND TIME TO START BROADCASTING	DATE AND TIME TO END BROADCASTING	MANAGEMENT CODE	EVENT IDENTIFIER
1999/12/02 06:00:00	DATE AND TIME UNDETERMINED	837462192	1234
DATE AND TIME UNDETERMINED	DATE AND TIME UNDETERMINED	872134882	1435
DATE AND TIME UNDETERMINED	DATE AND TIME UNDETERMINED	338473629	3450
DATE AND TIME UNDETERMINED	1999/12/02 10:00:00	000012301	0123

FIG.29

PROGRAM BROADCASTING SCHEDULE WITH SIMULCAST RANGE

CHANNEL IDENTIFIER		1002
SIMULCAST RANGE INFORMATION	SIMULCAST IDENTIFIER	SIMULCAST INCLUDED
	DATE AND TIME TO START SIMULCAST RANGE	1999/12/02 07:00:00
	DATE AND TIME TO END SIMULCAST RANGE	1999/12/02 09:00:00
	SIMULCAST ORIGINAL CHANNEL IDENTIFIER	1001
DATE AND TIME TO START BROADCASTING	DATE AND TIME TO END BROADCASTING	EVENT IDENTIFIER
1999/12/02 06:30:00	1999/12/02 07:00:00	6002
1999/12/02 07:00:00	1999/12/02 08:25:00	1435
1999/12/02 08:25:00	1999/12/02 09:00:00	3450
1999/12/02 09:00:00	1999/12/02 12:00:00	6098

FIG. 28 56208660

3001

3002

3003

FIG.30

PROGRAM INITIATION NOTICE WITH MANAGEMENT CODE

CHANNEL IDENTIFIER	1002	3101
MANAGEMENT CODE	872134882	3102
SIMULCAST ORIGINAL CHANNEL IDENTIFIER	1001	3103